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Scientific and Technological Achievement Awards (1985)

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16. Abstract (Limit: 200 words)

The Subcommittee reviewed 92 papers nominated by EPA's Office of Research and Development for the 1985 Scientific and Technological Achievement Awards; 24 were recommended for awards. The Subcommittee's comments included general observations about the nominations and the nomination process, and repeated a suggestion made previously that would permit a better evaluation of the Awards Program. This suggestion involved the impression of the Subcommittee members that the number nominated form different laboratories were very uneven and that the numbers may not reflect accurately the quality and quantity of research nomination process lead to this unevenness, and were not able to assess the extent of the problem until "denominator" information was provided; that is, what fraction of the total peer-reviewed publications from a given laboratory unit are represented by the number nominated for a given year? This may be sensitive information, but it would be very useful in evaluating the effectiveness of the nomination process.

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19722 MacArthur Boulevard
Irvine, California 92717

(714) 856-1064

March 4, 1986

Mr. Donald Ehreth
Acting Assistant Administrator for Research and Development
U.S. Environmental Protection Agency (RD-672)
401 M Street, SW
Washington, DC 20460

Dear Don:

It is my pleasure to comment on the recent meeting of the Science Advisory Board's Subcommittee on Scientific and Technological Achievement Awards. As in previous years, the Subcommittee members were impressed by the large number of high quality publications by EPA scientists and engineers, and it was difficult to select the relatively small number that could be recommended for awards.

My comments will include some general observations about the nominations and the nominations process, will repeat a suggestion made previously that would permit a better evaluation of the Awards Program, and finally will raise the question whether this is not an appropriate time to evaluate the overall accomplishments of the Program.

The volume of nominations in 1985 was only slightly higher than in 1984 (92 versus 89) and the numbers in substantive categories were about the same in the two years. These totals compare with 18 nominations in 1979, the initial year of the Program, and suggest in at least a qualitative sense that the Program has been achieving its purpose to promote and recognize scientific and technological achievement among EPA scientists and engineers.

However, members of the Subcommittee have the impression that the number nominated from different laboratories is very uneven, and that the numbers may not reflect accurately the quality and quantity of research in a laboratory. As an example, the number of nominations in Control Technology was very small, and none was recommended for an award. The Subcommittee believes that better papers could be nominated from engineering programs.

The Subcommittee does not know what factors in the nomination process may lead to this unevenness, and will not be able to assess the extent of the problem until "denominator" information is provided; that is, what fraction of the <u>total</u> peer-reviewed publications from a given laboratory unit are represented by the number nominated, for a given year? This may be sensitive information, but it would be very useful in evaluating the effectiveness of the nomination process.

Other aspects of the process came up for discussion, but no conclusions were reached that should be brought to your attention, except for a consensus that a certain type of review article might be worthy of an award. Such an article would be a critical evaluation and a creative synthesis, providing new and important information that was not apparent in the original papers. Clarifying this distinction would be important in future years.

The Subcommittee discussed but did not reach consensus on whether this is an appropriate time to recommend a critical evaluation of the costs and benefits of the Awards Program. Some members who are familiar with EPA laboratories as they were in the 1970s and as they are now are convinced that the Awards Program has achieved its objectives of increasing peer-reviewed publications by EPA scientists and engineers, with resulting enhancement of their image in the science and engineering communities. These members also point out that an objective evaluation of the Awards Program would be very difficult to achieve.

Other Subcommittee members believe that a worthwhile evaluation could be made, and that periodic evaluation of any program is a sound management tool.

As to the mechanics of review and staff support of the Subcommittee, the procedures seem to have reached a desirable level of stability and efficiency. The majority of members have prior experience with the Awards Program, and three new members quickly learned the system and became effective contributors. Staff support was excellent, although we note with regret that Mr. Ernst Linde, who assisted in preparation for the meeting but was not present at the meeting, has retired after long and dedicated service to EPA and to the Science Advisory Board.

Finally, I bring to your attention, as previous chairpersons have done, that many papers, not nominated for awards, were nevertheless useful and important publications.

Sincerely,

James L. Whittenberger, M.D.
Chair, Department of Community and Environmental Medicine
Director, Southern Occupational Health Center

JLW:cmj

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 18, 1986

MEMORANDUM

OFFICE OF
THE ADMINISTRATOR

Subject: SAB Review of Papers Nominated for the 1985 Scientific and Technological Achievement Awards

From: Kathleen Conway
Executive Secretary
Science Advisory Board

Thru: Terry F. Yosie
Director
Science Advisory Board

To: Donald Ehreth
Acting Assistant Administrator
for Research and Development

The Science Advisory Board's 1985 Scientific and Technological Achievement Awards Subcommittee chaired by Dr. James Whittenberger met January 29-30, 1986 and completed its review of the 92 papers transmitted to the Board for its recommendation. The Subcommittee judged the nominations in the light of the Statement of Principles and Processes (Revised 1983) attached to Dr. Bernard Goldstein's memorandum of August 8, 1985 to ORD Office Directors and Laboratory Directors. A copy of this was given to the Board.

A listing of the Subcommittee's recommendations for awards is attached (Attachment I). Briefly, of the 92 papers nominated, 24 are recommended for awards. A table showing the number of recommended awards by category is attached (Attachment II). A Subcommittee Roster is also provided (Attachment III).

The Subcommittee welcomed this opportunity to be of assistance to the Agency and to support your efforts to promote and recognize scientific and technological achievement by Agency employees. The Subcommittee had a number of comments and observations regarding this program which will be transmitted in a letter to you from the Chairman, Dr. Whittenberger.

Attachments (3)

cc: R. Cortesi
L. Swaby
C. Bishop
T. Yosie
J. Whittenberger

Attachment I

1985 Scientific and Technological Achievement Awards

Awards Recommended by SAB: Level I Awards (1)

Category	Title and Authors(s)	Laboratory
TRANSPORT AND FATE	"Measurements of the Products of Atmospheric Photochemical Reactions in Laboratory Studies and in Ambient Air-Relationships Between Ozone and Other Products," Atmospheric Environment, 17, pp. 2382-2427, 1983 Dr. A. P. Altshuller	Atmospheric Sciences Research Laboratory/RTP

Awards Recommended by SAB: Level II Awards (4)

Category	Title and Author(s)	
ECOLOGY	"The Use of Microcosms for Evaluation of Interactions Between Pollutants and Microorganisms," Advances in Microbial Ecology, Vol. 7, C. C. Marshall (editor), pp. 133-215, 1984 Dr. P. H. Pritchard and Dr. A. W. Bourquin	ERL/Gulf Breeze
TRANSPORT AND FATE	"Organic Polluntant Sorption in Aquatic Systems," Journal of Hydraulic Engineering, 110(6), pp. 707-735, 1984 Dr. Samuel W. Karickhoff	ERL/Athens
HEALTH	"Binding of Chloroform to the Cysteine of Hemoglobin," Chem.-Biol. Interactions, 51, pp. 115-123, 1984 Dr. Michael A. Pereira, Mrs. Lina W. Chang, Mr. James L. Ferguson (ineligible author), and Dr. Daniel Couri (ineligible author)	HERL/CIN
HEALTH	"Postnatal Evaluation of Morphological and Functional Effects of Prenatal Exposure to Nitrofen in the Long-Evans Rat," Journal of Toxicology and Environmental Health, 11, pp. 679-690, 1983 Dr. Robert J. Kavlock and Dr. L. Earl Gray, Jr.	HERL/RTP

Attachment I

1985 Scientific and Technological Achievement Awards

Awards Recommended by SAB: Level III Awards (19)

Category	Title and Author(s)	Laboratory
ECOLOGY	"Dietary Accumulation of PCBs from a Contaminated Sediment Source by a Demersal Fish (Leiostomus Xanthurus)," Aquatic Toxicology, Vol. 5, pp. 331-342, 1984 Mr. Norman I. Rubenstein, Mr. W. T. Gilliam and N. R. Gregory (ineligible author)	ERL/Narragansett
ECOLOGY	"Effect of Phenol Molecular Structure on Bacterial Transformation Rate Constants in Pond and River Samples," Applied and Environmental Microbiology, 45, pp. 1153-1155, 1983 Mrs. Doris F. Paris, Dr. N. Lee Wolfe, Dr. William C. Steen, and Mr. George L. Baughman (has excused himself from any monies awarded this paper)	ERL/Athens
ECOLOGY	"Validation of Exposure Models: The Role of Conceptual Verification, Sensitivity Analysis, and Alternative Hypotheses," Aquatic Toxicology and Hazard Assessment: Sixth Symposium, W. E. Bishop, R. D. Cardwell, and B. B. Heidolph (eds.), Amer. Soc. Testing and Mat. STP 802, Philadelphia, 1983 Dr. Lawrence A. Burns	ERL/Athens
ECOLOGY	"Morphological and Morphometrical Changes in Chloride Cells of the Gills of Pimephales promelas After Chronic Exposure to Acid Water," Cell and Tissue Research, 236, pp. 121-128, 1984 Mr. J. Howard McCormick and Dr. Richard L. Leion (ineligible author)	ERL/Duluth
ECOLOGY	"Early Life-Stage Toxicity Test with Tidewater Silversides (Menidia peninsulae) and Chlorine-produced Oxidants," Environmental Toxicolgy and Chemistry, Vol. 2, pp. 337-342, 1983 Mr. Larry R. Goodman, Dr. Douglas P. Middaugh, Mr. David J. Hansen, Ms. Geraldine M. Cripe, and Ms. Peggy K. Higdon Also nominated for Monitoring and Measurement Methods	ERL/Gulf Breeze
TRANSPORT AND FATE	"Source Apportionment Methods Applied to the Determination of the Origin of Ambient Aerosols That Affect Visibility in Forested Areas," Atmospheric Environment, Vol. 18, No 2, pp. 261-272, 1984 Mr. Robert K. Stevens, Dr. Thomas G. Duzbay, Dr. Charles W. Lewis, and Dr. Robert W. Shaw, Jr.	Atmospheric Sciences Research Laboratory/RTP

1985 Scientific and Technological Achievement Awards

Awards Recommended by SAB: Level III Awards (19)
(con't)

Category	Title and Author(s)	Laboratory
TRANSPORT AND FATE	"Review: Natural Volatile Organic Substances and Their Effect on Air Quality in the United States," Atmospheric Environment, 17, pp. 2131-2165, 1983 Dr. A. P. Altshuller	Atmospheric Sciences Research Laboratory/RTP
TRANSPORT AND FATE	"Photolysis Rates of (2,4,5-Trichlorophenoxy) acetic Acid and 4-Amino-3,5,6-trichloropicolinic Acid in Natural Waters," Journal of Agricultur and Food Chemistry, 31, pp. 1065-1071, 1983 Dr. Richard G. Zepp, Mr. George Baughman, and Yuri I. Skurlatov (ineligible author)	ERL/Athens
MONITORING AND MEASUREMENT METHODS	"A Rapid Aquatic Toxicity Assay Utilizing Labeled Thymidine Incorporati in Sea Urchin Embryos, "Environmental Toxicology and Chemistry, Vol. 3, pp. 631-636, 1984 Dr. Eugene Jackim and Ms. Diane Nacci (ineligible author)	ERL/Narragansett
MONITORING AND MEASUREMENT METHODS	"Identification of Dyes by Thermospray Ionization and Mass Spectrometry, Mass Spectrometry," Analytical Chemistry, Vol. 54, pp. 2604-2607, 1984 Dr. Leon D. Betowski and Dr. John Ballard (ineligible author)	EMSL/Las Vegas
MONITORING AND MEASUREMENT METHODS	"High-Resolution PCB Analysis: Synthesis and Chromatographic Propertie of All 209 PCB Congeners," Environ. Sci. Technol., Vol 18, No. 6, pp. 468-476, 1984 Dr. Michael D. Mullin, Ms. Cynthia M. Pochini (ineligible author), S. McCrindle (ineligible author), M. Romkes (ineligible author), S. H. Safe (ineligible author), and L. M. Safe (ineligible author)	ERL/Duluth
MONITORING AND MEASUREMENT METHODS	"A Seven-Day Life-Cycle Cladoceran Toxicity Test," Environmental Toxicology and Chemistry, Vol 3 pp. 425-434, 1984 Dr. Donald I. Mount and Mrs. Teresa J. Norberg-King	ERL/Duluth
HEALTH	"Mutagenicity of Cyclopenta-fused Isomers of Benz(a)anthracene in Bacterial and Rodent Cells and Identification of the Major Rat Liver Microsomal Metabolites," Cancer Research , 44, pp. 4993-5003, 1984 Dr. Stephen Nesnow, Ms. Sharon Leavitt, Mr. Robert Easterling, Mr. Randall Watts, Dr. Larry Claxton, Ineligible Authors As Follows: Stephanie H. Toney, Dr. Avram Gold, Dr. R. Sangaiah, Dr. Glen E. Toney, James Wiley, and Phillip Fraher	Health Effects Research Laboratory/RTP

1985 Scientific and Technological Achievement Awards

Awards Recommended by SAB: Level III Awards (19)
(Con't)

Category	Title and Author(s)	Laboratory
HEALTH	"A Model for Some of the Effects of an Externally Applied Electric Field on Charged Membrane Constituents," International Journal of Quantum Chemistry: Quantum Biology Symposium 11, pp. 249-256, 1984 Dr. James R. Rabinowitz	Health Effects Research Laboratory/RTP
HEALTH	"An Analysis of the Spectra of Genetic Activity Produced by Known or Suspected Human Carcinogens," Mutation Research, 134, pp. 89-111, 1984 Dr. Michael D. Waters, Neil E. Garrett (ineligible author), H. Frank Stack (ineligible author), and M. R. Gross (ineligible author)	Health Effects Research Laboratory/RTP
HEALTH	"Scaling the Physiological Effects of Exposure to Radiofrequency Electromagnetic Radiation: Consequences of Body Size," Int. J. Radiat. Biol., 46, pp. 387-397, 1984 Dr. Christopher J. Gordon and Dr. J. Homer Ferguson (ineligible author)	Health Effects Research Laboratory/RTP
HEALTH	"Growth and Development of Mice Offspring After Irradiation In Utero with 2,450-MHz Microwaves," Teratology, 30, pp. 393-402, 1984 Dr. Ezra Berman, Mr. Hershell B. Carter, and Mr. Dennis E. House	Health Effects Research Laboratory/RTP
HEALTH	"Postnatal Developmental Alterations Following Prenatal Exposure to the Herbicide 2,4-Dichlorophenyl-p-nitrophenyl Ether: A Dose Response Evaluation in the Mouse," Toxicology and Applied Pharmacology, 67, pp. 1-14, 1983 Dr. Leon Earl Gray, Jr., Dr. Robert J. Kavlock, Dr. Neil Chernoff, Mr. Joe Ostby, and Ms. Janet Ferrell (ineligible author)	Health Effects Research Laboratory/RTP
HEALTH	"An Extended Evaluation of an In Vivo Teratology Screen Utilizing Postnatal Growth and Viability in the Mouse," Teratogenesis, Carcinogenesis, and Mutagenesis, 4, pp. 403-426, 1984 Dr. Leon Earl Gray, Jr. and Dr. Robert J. Kavlock	Health Effects Research Laboratory/RTP

U.S. ENVIRONMENTAL PROTECTION AGENCY
SCIENCE ADVISORY BOARD
1985 Scientific and Technological Achievement Awards Subcommittee

[illegible]

Dr. James L. Whittenberger, Director and Professor in Residence, Southern Occupational Health Center, University of California, 19722 MacArthur Boulevard, Irvine, California 92717

MEMBERS

Dr. Harold L. Bergman, Professor of Zoology and Physiology, Department of Zoology and Physiology, University of Wyoming, University Station Box 3166, Laramie, Wyoming 82071

Dr. Walter Dabberdt, Head, Immersion Sensing Group, National Center for Atmospheric Research, P.O. Box 3000, Boulder, Colorado 80307

Dr. Wilford R. Gardner, Head, Department of Soils, Water and Engineering, University of Arizona, Tucson, Arizona 85721

Dr. James E. Gibson, Vice President and Director of Research, Chemical Industry Institute of Toxicology, P.O. Box 12137, Research Triangle Park, North Carolina 27709

Dr. Jack D. Hackney, Chief, Environmental Health Laboratories, Professor of Medicine, Rancho Los Amigos Hospital Campus of the University of Southern California, 7601 Imperial Highway, Downey, California 90242

Dr. Rolf Hartung, Professor of Environmental Toxicology, Department of Environmental and Industrial Health, University of Michigan, 3125 Fernwood Avenue, Ann Arbor, Michigan 48104

Dr. Robert J. Huggett, Senior Marine Scientist, Chairman, Department of Chemical Oceanography, Virginia Institute of Marine Science, Gloucester Point, Virginia 23062

Dr. Francis C. McMichael, Professor of Civil Engineering, Department of Civil Engineering, Carnegie-Mellon University, 5000 Forbes Avenue, Pittsburgh, Pennsylvania 15213

Dr. Charles R. Norwood, Research Project Manager, Litton Guidance and Control, Canoga Park, California
Send mail to: 4958 Escobedo Drive, Woodland Hills, California 91324

Dr. G.D. Robinson, Research Fellow, Center for the Environment and Man (CEM) 275 Windsor Street, Hartford, Connecticut 06120

Dr. Charles Susskind, Professor, Electrical Engineering and Computer Sciences Department, College of Engineering, University of California, Berkeley, California 94720

EXECUTIVE SECRETARY

Ms. Kathleen Conway, Deputy Staff Director, Science Advisory Board, A-101F U.S. Environmental Protection Agency, 401 M Street, Southwest, Washington, D.C. 20460 Phone: (202) 382-2552

ground-water quality in the three study areas. The report contains all data, analyses and conclusions resulting from this study.

ADDRESS: Copies of "The Impacts of Wastewater Disposal Practices on the Ground Water of the North Carolina Barrier Islands—Final Report" may be obtained by contacting Robert Lord [illegible] Boland Street, N.E., Atlanta Georgia 30365, 404/347-3776 or FTS 257-3776.

FOR FURTHER INFORMATION CONTACT: Robert Lord at (404)— 347-3776.

Dated: December 17, 1985.

Sanford W. Harvey, Jr.,

Acting Regional Administrator.

[FR Doc. 86-255 Filed 1-6-86; 8:45 am]

BILLING CODE 6560-50-M

[SAB-FRL-2950-8]

Science Advisory Board; Closed Meeting

Under Public Law 92-463, notice is hereby given that a meeting of an ad-hoc Subcommittee of the Science Advisory Board will be held in Washington, D.C. on January 29-30, 1986 to determine the recipients of the Agency's 1986 Scientific and Technological Achievement Cash Awards. These awards are established to give honor and recognition to EPA employees who have made outstanding contributions in the advancement of science and technology through their research and development activities, and who have published their results in peer reviewed journals.

Pursuant to section 10(d) of the U.S.C. Appendix 1 and 5 U.S.C. 522(c), I hereby determine that this meeting is concerned with information exempt from disclosure, and that the public interest requires that this meeting be closed.

In selecting the recipients for the awards, and in determining the actual cash amount of each award, the Agency requires full and frank advice from the Science Advisory Board. This advice will involve professional judgments on those employees whose published research results are deserving of a cash award as well as those that are not. In addition, the Board will advise on the amount of money to be allocated for each award. Discussions of such a personal nature, where disclosure would constitute an unwarranted invasion of personal privacy, are exempt under section 10(d) of Title 5, U.S. Code, Appendix 1. In accordance with the provisions of the Federal Advisory Committee Act, minutes of the meeting will be kept for Agency and Congressional review.

The Science Advisory Board shall be responsible for maintaining records of the meeting, and for providing an annual report setting forth a summary of the meeting consistent with the policy of U.S.C. Appendix 1, section 10(d).

For Further Information Contact: Terry Yosie at (202) 382-4126.

[FR Doc. 86-254 Filed 1-6-86; 8:45 am]

BILLING CODE 6560-50-M

[OPTS-51599; FRL-2933-1]

Certain Chemicals Premanufacture Notices

Correction

In the document beginning on page 50004 in the issue of Friday, December 6, 1985, make the following corrections: On page 50006:

1. In the first column, last line, "acrylates" should read "acrylates".

2. In the second column: a. "date" should read "data" in P 86-197 through P 86-201, inclusive.

b. Under P 86-200, second line, "ploygiycol" should read "polyglycol".

c. At the bottom of the column, the document number in the file line should read "85-28700".

BILLING CODE 1505-01-M

[OPTS-42078; TSH-FRL 2904-1]

Sodium N-Methyl-N-Oleoyltaurine; Decision Not To Test

Correction

In FR Doc. 85-26528, beginning on page 46178 in the issue of Wednesday, November 6, 1985, make the following correction:

On page 46179, third column, under *A. Physical Characteristics*, sixth line, "14.45" should read "1.45".

BILLING CODE 1505-01-M

FEDERAL MARITIME COMMISSION

[Docket No. 86-1]

Cancellation of Tariffs or Assessment of Penalties Against Non-Vessel Operating Common Carriers in the Foreign Commerce of the United States; Order To Show Cause

Section 8 of the Shipping Act of 1984 (1984 Act) (46 U.S.C. app. 1707), requires that common carriers in the foreign commerce of the United States file with the Federal Maritime Commission tariffs showing all of their rates, charges, classifications, rules and practices for transportation of cargo. Non-vessel-operating common carriers are among the carriers subject to this requirement. They are also subject to the requirement of section 15(b) of the 1984 Act (46 U.S.C. app. 1714(b)), that all common carriers in the U.S. foreign com[illegible] rebating in ocean shipping.

The Commission has implemented section 15(b) by adopting a regulation requiring each common carrier, including each non-vessel-operating common carrier (NVOCC), to make its anti-rebate certification on or before May 15 of each year. (46 CFR 582.4). The Federal Register notice publishing this regulation (49 FR 36858 (Sept. 20, 1984)) advised that those common carriers who had not already certified their anti-rebate policies for 1984 under the existing Shipping Act, 1916, *i.e.*, NVOCC's were required to so certify on or before December 15, 1984.

Notwithstanding the Commission's efforts to advise common carriers of their statutory and regulatory obligation to file anti-rebate certificates by a date specific, a number of NVOCC's having tariffs on file with the Commission failed to submit the required certificates. As a result, the Commission, by Order to Show Cause served March 7, 1985 (March Order), instituted Docket No. 85-5, *Failure of Non-Vessel-Operating Common Carriers in the Foreign Commerce of the United States to Comply With the Anti-Rebate Certification Filing Requirement of section 15(b) of the Shipping Act of 1984*. The March Order directed 367 NVOCC's with tariffs on file with the Commission to show cause why they should not be found in violation of section 15(b) for failure to file the required anti-rebate certificate for calendar year 1984. Responses to the March Order were filed by, or on behalf of, 160 NVOCC's.

The Commission's March Order or other pleadings in the proceeding served on 113 of the named respondents were returned by the U.S. Postal Service or tariff filing service listed with the Commission as the respondent's address, indicating that these respondents could not be found. Such carriers are required by 46 CFR 580.5(c)(2)(i) to publish in their tariff the address of their principal office. These circumstances suggest that these Respondents may no longer be doing business as NVOCC's under the tariffs on file with the Commission.

Having received no anti-rebate certificate as well as no response to the

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